

H₂♂ energizing men

formula # 100-10105

material # 851770

claim to fame

Men moisturizer and energizer

Fresh, light, fast absorbing cream gel

Soft finish with no residue

skin moisturization with Lubrajels

description

This is a fresh gel cream, which creates a cooling effect on the skin due to the quick break of UltraThix™ P-100 polymer. The luxurious rub-in is due to the presence of PolySurf™ CS 67 HMHEC and Lubrajel* Oil Free hydrogel which impart lubricity and softness to the formula without leaving any residue on the skin. It leaves the skin feeling hydrated and protected

ingredients

UltraThix™ P-100 polymer and PolySurf 67 CS HMHEC

This combination provides great skin feel properties, offers stability and reduces tack. Cellulose based PolySurf 67 CS HMHEC makes the formula softer and contributes to the cushiony finish

Lubrajel* Oil Free and Lubrajel II XD hydrogels

Multifunctional ingredient that imparts inviting lubricity and superb spreadability along with superior hydration.

Lubrajel II XD hydrogels

Non-greasy emolliency that provides viscosity and superior moisturization boost.

Orchid Complex™ OS ester

Provides smooth light after-feel to the skin with no residue. Non greasy. Ecocert compliant.

Optiphen™ preservative

Broad-spectrum preservative, paraben-free, effective at pH 4 to 8.

GP4G™ SP biofunctional

A unique plankton extract essential for cell metabolism and skin wellness. These aquatic energizing and protecting plankton nucleotides help the skin absorb environmental aging shocks.

Aqua-Osmoline™ biofunctional

A unique biofunctional that supports skin's natural defenses for improved hydration.

typical properties

description: green/blue cream-gel

pH: 5.3 – 5.8

viscosity (D0): 30 000 – 45 000 cps

(Brookfield RVT | Spindle B | 5 RPM | 1 minute | 25°C)

This formula has passed 3-month accelerated lab stabilities and a 28-day challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level.

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ingredients (trade name INCI)		% w/w	supplier
phase A			
purified water	Water/Aqua	qs. 100	Local
Tetrasodium EDTA	Tetrasodium EDTA	0.05	Local
phase B			
PolySurf™ 67 CS HMHEC	Cetyl Hydroxyethylcellulose	0.10	Ashland
phase C			
UltraThix™ P-100 polymer	Acrylic Acid/VP Crosspolymer	0.80	Ashland
phase D			
Lubrajel* Oil Free hydrogel	Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) PVM/MA Copolymer	3.00	Ashland
Lubrajel* II XD Free hydrogel	Glycerin (and) Glyceryl Polyacrylate	2.00	Ashland
Belsil* DM 5	Dimethicone	4.00	Wacker
Optiphen™ preservative	Phenoxyethanol (and) Caprylyl Glycol	0.50	Ashland
PF Desiro Blue	Fragrance/Parfum (and) Limonene (and) Linalool (and) Citronellol (and) Hydroxyisohexyl 3-cyclohexene carboxaldehyde	0.25	Luzi
phase E			
Refined Shea Butter	Butyrospermum Parkii (Shea) Butter	1.10	Ashland
Orchid Complex™ OS ester	Caprylic/Capric Triglyceride (and) Cymbidium Grandiflorum (Orchid) Flower Extract	3.50	Ashland
phase F			
Ethanol 96°	Alcohol Denat.	7.00	Local
phase G			
Purified Water	Water/Aqua	1.50	Local
Sodium Hydroxide	Sodium Hydroxide	0.08	Local
phase H			
GP4G SP™ biofunctional	Water/Aqua (and) Artemia extract	1.00	Ashland
Aqua-Osmoline™ biofunctional	Water/Aqua (and) Glycerin (and) Ceratonia Siliqua (Carob) Seed Extract	1.00	Ashland
Unicert* Yellow 08005-J (sol. 0.1%)	CI 19140 (yellow 5)	0.09	Sensient
Unicert* Blue 05601-J (sol. 0.1%)	CI 42090 (Blue 1)	0.21	Sensient
total		100.00%	

procedure

1. Homogenize phase A in the main vessel
2. Sprinkle in phase B and homogenize during 10 minutes then heat to 50°C and mix well during 30 minutes
3. Start to cool down the temperature and add phase C at 45°C. Mix well to homogenize
4. In a side beaker prepare phase E, heat to 55-60°C, mix until homogeneous and cool down the temperature to 35°C
5. At 40°C, add phase D in the main vessel and mix well
6. At 35°C, add phase E in the main vessel and mix until homogeneous
7. At 25°C, add phase F and mix well
8. Premix phase G before adding it to the main vessel
9. Add phase H and mix well until homogeneous
10. Stop once the batch color is uniform.

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